Kinetics of the Nitrosation of Secondary Aromatic Amines.SCV/153-58-2-3/30 Communication I. Velocity of the Nitrosation of Tropaeolin in Sulfuric Acid Solutions

references, 9 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Dnepropetrovsk Chemical Technical Institute) Kafedra

fizicheskoy khimii (Chair of Physical Chemistry)

SUBMITTED:

October 3, 1957

Card 5/5

LOSHKAREV, M.A.; AVRUNINA, A.M.; ROSTOVTSEVA, V.K.

Effect of surface active agents on the dissolution of zinc in acid. Trudy DKHTI no.6:12-20 '58. (MIRA 13:11) (Surface active agents) (Zinc) (Acids)

Effect of surface active agents on the electrolytic crystallization of cadmium. Report No.2: Inhibiting action of OF-10 and "peregal' 0." Trudy DKHTI no.6:21-21 '58 (MIRA 13:11) (Cadium crystals) (Surface active agents) (Electrolysis)

SOV/81-59-15-52786

.

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 15, pp 69-70 (USSR)

AUTHORS:

Sevryugina, M.P., Loshkarev, M.A.

TITLE:

The Effect of Surface Active Substances on the Electric Deposition of

. Copper

PERIODICAL: Tr. Dnepropetr. khim.-tekhnol. in-t, 1958, Nr 6, pp 36-50

ABSTRACT:

The effect of various surface active substances (SAS) on the reduction of Cu<sup>2+</sup> ions on the Hg- and the Cu-electrode has been studied. It has been established that the greatest inhibition of the electrochemical reaction on the Hg-electrode is caused by additions of tribenzylamine, typhene, PB-5, and  $\alpha$ - and  $\varphi$ -naphthols. In a broad interval of  $\varphi$ -potentials an adsorption threshold current is observed which is 10 times less than the normal diffusion current. At more negative  $\varphi$ -values the change of the current with  $\varphi$  is subjected to Tafel's equation with large prelogarithmic coefficient. The inhibition of the discharge of Cu2+ ions under the action of SAS on a solid electrode is less, in which case the additions of pyridine and its derivatives as well as methylene blue which are inactive in the case of a Hg-electrode show a noticeable effect. The most efficient

Card 1/2

inhibitors of the electric crystallization of Cu are sulfur-containing

SOV/81-59-15-52786

The Effect of Surface Active Substances on the Electric Deposition of Copper

compounds (typhene, methylene blue, etazol, thiourea and its derivatives) which shift the cathode  $\varphi$  so much that the joint separation of Cu with Sn, Cd and Pb becomes possible. The effect of the temperature (2 - 60°C) on the electric crystallization of Cu in the presence of SAS has been studied and the effective activation energies (15,000 - 25,000 cal) have been calculated which confirms the activation mechanism of the action of SAS additions. Electron-microscopic investigations have shown that in the presence of SAS additions a strong reduction of the grain sizes of the Cu deposit takes place.

Z. Solov'yeva

Card 2/2

Study of the reaction of nitrosation of amines. Report Wo.2:
Basicity constants of azo indicators with a secondary amino
group. Trudy UKHTI no.6:185-192 '58. (MIRA 13:11)
(Amines) (Nitrosation) (Indicators and test papers)

LOSHKAREV, M.A.; CHERNENKO, V.I.; GAMALI, I.V.

Some characteristics of the refining of lead from a sulfamine electrolyte. Report No.1: Potential balance of the electrolytic bath. Trudy DKHTI no.6:193-201 '58. (MIRA 13:11) (Lead) (Electroylsis)

CHERNENKO, V.I.; LOSHKAREV, M.A.

Some characteristics of the refining of lead from a sulfamine electrolyte. Report no.2: Preventing a decrease in the lead content of the electrolyte. Trudy LKHTI no.6:202-207 '58.

(Lead) (Electrolysis)

(Lead) (Electrolysis)

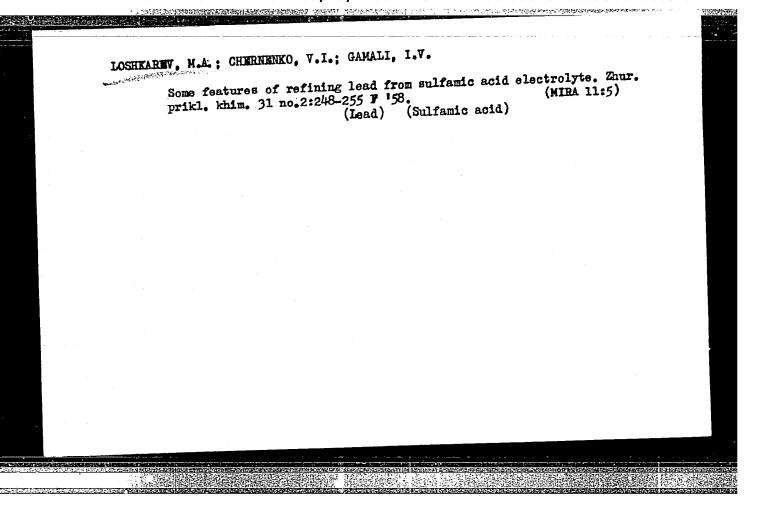
TSYMBAL, R.M.; LOSHKAREV, M.A.; BURMISTROV, S.I.

Kinetics of nitrosation of secondary aromatic amines. Report
No.1: Rate of nitrosation of tropeolin in sulfuric acid
solutions. Trudy DKHTI no.6:249-261 '58. (MIRA 13:11)
(Benzenesulfonic acid) (Nitrosation)

IOSHKAHEV. M.A.s. kand.tekhn.nauk; BOGORAD, M.L., kand.tekhn.nauk;
SHOKHOR, G.I., inzh.

Galculation of the durability of threaded flange joints on the basis of maximum loads. Shor. st. NIIKHIIMMASH no.21:3-8 '56.

(Flanges--Testing)



5(4) AUTHORS:

Loshkarev, M. A., Chernobayev, I. P.

sov/20-121-5-32/50

. TITLE:

Concerning the Calculation of Electrochemical Reactions

in an Intermediate Reagent (K raschetu elektrokhimicheskikh

reaktsiy s promezhutochnym reagentom)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5,

pp 881 - 884 (USSR)

ABSTRACT:

electrolyte). K denotes the basic depolarizer and B - the intermediate reagent. Such systems are very important

Card 1/3

in electrochemical technology. The purpose of this

Concerning the Calculation of Electrochemical Reactions in an Intermediate Reagent

SOV/20-121-5-32/50

paper is the deduction of the equations for the calculation of the velocity of the electrochemical process and the verification of their applicability to real systems of solid electrodes if the processes are steady. First, the authors assume that the chosen depolarizer is contained in a solution which does not contain an intermediate reagent. The differential equations for this case and also for a more general case (where the velocity of the electrode process depends on the stage of the discharge and on the diffusion of the depolarizer to the electrode). In various cases, the concentration C depends on t in the same manner. The introduction of an intermediate oxidizer is equivalent to the increase in total concentration; it shifts reaction into the original most advantageous region. Then the authors verified their equations for some oxidizing and reducing reactions, for example, for the oxidizing of FeSO, in solutions with and without NaCl. Moreover, the influence of the intermediary reagents on the precipitation of metal

Card 2/3

Concerning the Calculation of Electrochemical Reactions in an Intermediate Reagent

507/20-121-5-32/50

hydroxides, on the charge exchange of titanium ions, and on various reactions of the electrosynthesis of

organic compounds were investigated. For these cases, the experimental data agreed well with the derived equations.

There are 2 figures, 1 table, and 11 references, 5 of which are Soviet.

of which are poviet

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut im.

F.E.Dzerzhinskogo (Dnepropetrovsk Chemical-Technological

Institute imeni F.E.Dzerzhinskiy)

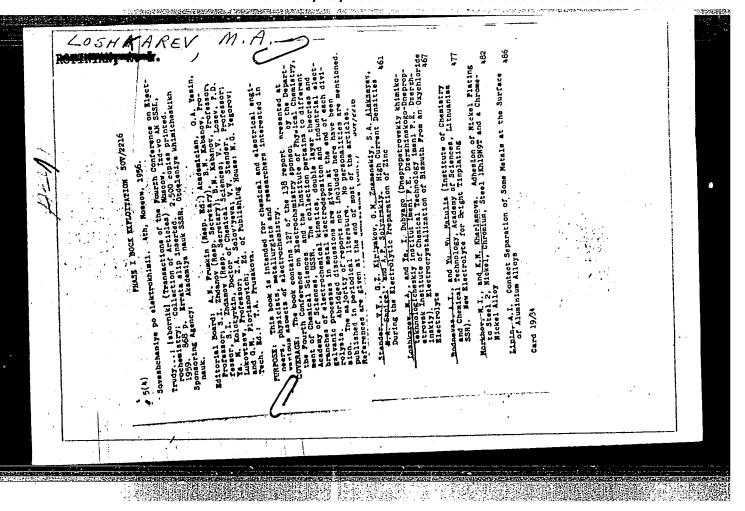
PRESENTED:

April 11, 1958, by A.N.Frumkin, Academician

SUBMITTED:

April 11, 1958

Card 3' 3



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

5 (4), 18 (5) LUTHORS:

Chernenko, V. I., Loshkarev, M. A. SOV/76

sov/76-33-8-12/39

TITLE:

(Driepropetrovsk) Concurrent Discharge of Lead and Tin During Electrolytic Refin-

ing of Lead

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 8, pp 1750 - 1757

(USSR)

ABSTRACT:

The concurrent discharge of lead and tin ions at low Sn<sup>2+</sup>concentrations from a sulphamine electrolyte in the presence of surface active substances (SAS) was investigated. In particular the laws which show a connection between the tin content in cathode lead on the one hand, and the concentration of Sn(SO<sub>3</sub>NH<sub>2</sub>), current density, and concentration of Pb<sup>2+</sup> ions on the other hand, were studied. Electrolysis was carried out without thorough mixing at 25°C. Polarization measurements were carried out by the compensation method. The measurement results obtained show that the dependence of the tin content in cathode lead on the Sn<sup>2+</sup> concentration in the electrolyte is greatly influenced by the (SAS) (resorcin, β-naphthol, waste sulphite liquor). In the range of current density investigated the lead discharge may be

Card 1/2

Concurrent Discharge of Lead and Tin During Electrolytic Refining of Lead

SOV/76-33-8-12/39

expressed by the equation  $D=a-e^{-b/N}$  (D= density of the cathode current, N= voltage), which is in agreement with other publications. It is assumed that in the presence of (SAS) the tin-discharge on lead at low  $Sn^{2+}$  concentrations in the electrolyte follows an equation of retarded discharge, which is confirmed by equations expressing a relation between the tin content of the cathode lead and the current density, the  $Pb^{2+}$  concentration and the (SAS) concentration. It is shown that addictions of (SAS), by means of a change in the ratio of deposition rates of Pb and Sn, change the character of the function  $A_1 = f(c_1; D_M; c_M)$  ( $c_1 = concentration$  of the additions of (SAS)) (Refs 7-10), in that the (SAS) content of the cathode deposit decreases owing to the increase in the effect of these additions. There are 6 figures and 13 Soviet references.

SUBMITTED:

January 16, 1958

Card 2/2

LOSHKAREV, M.A.; CHERNENKO, V.I. (Dnepropetrovsk)

Inhibiting action of naphthols on the process of discharge of lead ions and the magnitude of the activation barrier. Zhur.fizh.khim.

34 no.5:1060-1068 My '60.

(Naphthols) (Lead plating)

#### CIA-RDP86-00513R000930610009-3 "APPROVED FOR RELEASE: 08/23/2000

s/076/60/034/007/014/042/XX B004/B068

AUTHORS:

Loshkareva, M. A. and Dubyago, Ye. I.

TITLE:

Kinetics of Cathodic Deposition of Bismuth. I. Polarographic

Waves of the Discharge of Bismuth Ions From Non-complex

Electrolytes

PERIODICAL:

Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 7,

pp. 1430-1442

TEXT: The authors treat the problem of the distortion of the polarographic wave of bismuth due to the presence of organic surface-active impurities. The technique used for plotting the polarographic curves was described by them in Ref. 13. The following experimental conditions are reported: dropping period: 2.67 sec; rate of outflow of Hg from the capillary: 0.0259 g/sec; mean drop diameter: 0.06 cm; temperature: 25°C; stabilized by a TC-15 (TS-15) thermostat. The adsorption of the surface-active substances was studied by plotting the electrocapillarity curves. The determination of the surface tension has already been described. The polarographic waves of bismuth deposition were taken (Fig. 1) in the Card 1/5

CIA-RDP86-00513R000930610009-3" APPROVED FOR RELEASE: 08/23/2000

Kinetics of Cathodic Deposition of Bismuth. I. Polarographic Waves of the Discharge of Bismuth Ions From Non-complex Electrolytes S/076/60/034/007/014/042/XX B004/B068

presence of the following acids as backgrounds: sulfuric, hydrochloric, nitric, perchloric, toluenesulfonic, and phenolsulfonic acids. For the half-wave potentials at a bismuth concentration of  $c_{Bi}^{3+} = 0.01$  N, the following

data are given: Table 1: Background  $9_{1/2}$ , v

1 N H<sub>2</sub>SO<sub>4</sub> -0.002

1 N HCl -0.10
1 N HNO<sub>3</sub> -0.01
2 N CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H -0.007
2 N HCC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H -0.048
1 N HClO<sub>4</sub> -0.067

The irreversibility of the electrodic processes thus depends on the background, and reaches maximum values when HClO<sub>4</sub> and HOC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H are used. It was shown by the calculation of the effect of the total potential drop Card 2/5

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Kinetics of Cathodic Deposition of Bismuth. I. Polarographic Waves of the Discharge of Bismuth Ions From Non-complex Electrolytes

S/076/60/034/007/014/042/XX B004/B068

 $\Delta E_{
m el}^{} + \Delta E_{
m Hg}^{}$  in the electrolyte and in mercury, as well as of the diffusion potential  $\breve{\psi}_d$  that the potential drop was insignificant under the experimental conditions and only the effect of  $\Psi_{
m d}$  had to be considered. The corresponding correction according to the equation  $\psi = \psi_{1/2} - b \ln[i/(i_d - i)](2)$ ; (b =  $2.3 \cdot RT/\alpha nF$ ) gave elevated values of the coefficient b for perchloric, phenolsulfonic, and toluenesulfonic acids. This is explained by the inhibition of the electrolytic deposition of bismuth. This inhibition depends on the character of the background and increases with the surface activity of large-diameter anions. According to A. N. Frumkin (Ref. 21), the simultaneous effect of two factors was established: change of the potential  $\psi$ ' and increase of the potential barrier. From this, it is concluded that electrodic processes may be inhibited by the adsorption of surface-active substances. This was experimentally proved by the effect of 0.005 mole/1  $\beta$ -naphthalenesulfonic acid, thymol, tribenzylamine, or borneol on the deposition of bismuth. From the shift  $\Delta \psi_{1/2}$  and the change of the potential  $\psi$ ' due to the effect of impurities, the change of the activation barrier Card 3/5

Kinetics of Cathodic Deposition of Bismuth. I. Polarographic Waves of the Discharge of Bismuth Ions From Non-complex Electrolytes S/076/60/034/007/014/042/XX B004/B068

F(G) was calculated. F(G) is equal to 1.3·10<sup>-10</sup> for β-naphthalene sulfonic acid, to 6.3·10<sup>-9</sup> for thymol, and to 3.4·10<sup>-11</sup> for borneol. A study of the influence of the background on the inhibitory effect of impurities showed that this influence depends on the adsorption characteristics of the anion. With increasing adsorbing capacity of the background anion, its influence on the rate of the electrodic process decreases. A. G. Stromberg, Ya. I. Tur'yan, and O. A. Yesin are mentioned. There are 7 figures, 3 tables, and 23 references: 14 Soviet, 7 US, 1 British, 3 Czechoslovakian, 2 French, and 1 German.

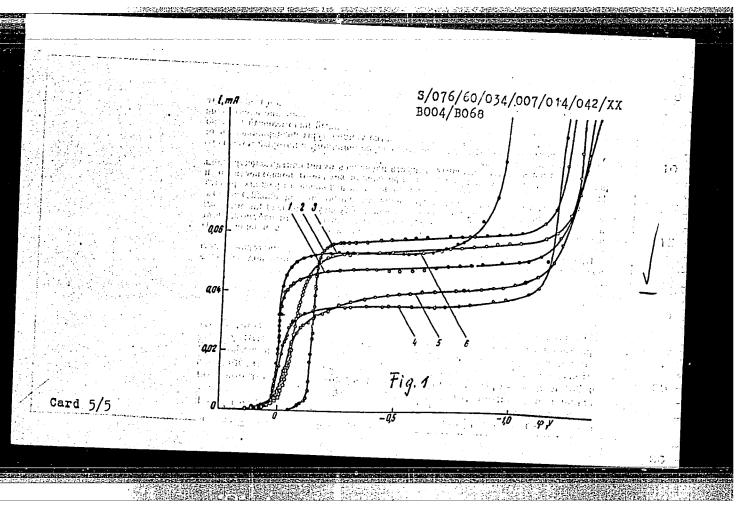
ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut

(Dnepropetrovsk Institute of Chemical Technology)

SUBMITTED: September 13, 1958

Text to Fig. 1: Polarographic Waves of Bismuth Deposition From Non-complex Electrolytes. Acid Concentration: 2N; Concentration of Bismuth Salt: 0.01N; Background 1: H<sub>2</sub>SO<sub>4</sub>; 2: HCl; 3: HNO<sub>3</sub>; 4: CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H; 5: HOC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H; 6: HClO<sub>4</sub>\* Card 4/5

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

s/076/60/034/008/022/039/XX B015/B063

Loshkarev, M. A. and Tomilov, B. I. AUTHORS:

Study of the Kinetics of Electrochemical Redox Reactions. I. Character of Polarization in the Benzoquinone-Hydro-TITLE: quinone System

Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 8,

PERIODICAL: pp. 1753 - 1762

TEXT: In spite of the great number of studies conducted so far on polarization in redox systems, research workers disagree on the nature of polarization in these systems. The authors have studied the polarization of cathodic and anodic processes in the benzoquinone-hydroquinone system with a smooth platinum electrode, a platinized Pt electrode, and a gold electrode as a function of the intermixing rate of the electrolyte, the concentration of quinone or hydroquinone (in equimolar ratios), and temperature. Measurements were made in nitrogen under equal hydrodynamic conditions. The authors used the direct compensation method and a TITE (PPTV) potentiometer. The polarization curves were drawn by a method Card 1/4

Study of the Kinetics of Electrochemical 5/076/60/034/008/022/039/XX Redox Reactions. I. Character of Polarization B015/B063 in the Benzoquinone-Hydroquinone System

proposed by S. V. Gorbachev and Khr. Iv. Noninski (Ref.11), in which first the anode polarization  $\Delta \varphi_a$  and then the cathode polarization  $\Delta \varphi_k$  were measured at the same current density i. All the measurements were made in a 0.1 N HCl solution. The i =  $f(\Delta \varphi_k)$  curves show that polarization is largely dependent upon the electrode material. A change in the concentration of quinhydrone  $(c_{Q} \cdot H_2 \cdot Q)$  shows that the values of the anode limiting current  $I_a$  and the cathode limiting current  $I_k$  are proportional to  $c_{Q} \cdot H_2 \cdot H_2 \cdot H_3 \cdot H_4 \cdot H_4 \cdot H_5 \cdot H_6 \cdot$ 

agreement with the theory of V. G. Levich (Ref.13), since the ratio between the diffusion coefficients of Q and  $\rm H_2Q$  amounting to 2:3

corresponds to the ratio obtained for the limiting currents. A comparison between calculation and experiment shows that in the quinhydrone electrolysis there also takes place a noticeable chemical polarization which can be explained by an activation inhibition of electron transfer.

Card 2/4

Study of the Kinetics of Electrochemical Redox S/076/60/034/008/022/039/XX Reactions. I. Character of Polarization in the B015/B063 Benzoquinone-Hydroquinone System

The inclinations of the straight lines of the kinetic coefficients for the cathode ( $\alpha$ ) and the anode ( $\beta$ ) processes on the smooth Pt electrode were found to be 0.44 and 0.48, and 0.36 and 0.48, respectively. The reason why  $\alpha+\beta<1$  will be discussed in a later article. There is no direct proportionality between the exchange current and the concentration of quinhydrone. The exchange current rises with temperature (about twice with a temperature rise of 10°C). The data obtained show that Vetter's assumption of two different exchange currents for the cathode and anode processes in the quinone-hydroquinone system (Z.Elektrochem., 56, 797, 1952) is incorrect and can be explained by impurities in the components. Special experiments conducted by the authors to clarify the rise of polarization with time and the decrease of the exchange current revealed that these changes are to be explained by impurities - decomposition products of quinone and hydroquinone - in the solution. The effect of adsorption upon polarization was studied by adding pyrogallol oxidation products and a cationic high-molecular compound. Also a change of  $\alpha$  and  $\beta$  was found to occur besides a decrease of the exchange current. The inhibition of electrochemical processes by molecular adsorption on the electrode is Card 3/4

Study of the Kinetics of Electrochemical Redox S/076/60/034/008/022/039/XX Reactions. I. Character of Polarization in the B015/B063 Benzoquinone-Hydroquinone System

explained within the framework of A. N. Frumkin's theory of delayed discharge (Ref.14). The results of measurement are in good agreement with the equations of the theory of delayed discharge in the whole range of current density considered (from 10<sup>-6</sup> a/cm<sup>2</sup> to 1·10<sup>-3</sup> - 5·10<sup>-3</sup> a/cm<sup>2</sup>). O. A. Yesin, M. A. Loshkarev, and O. B. Khachaturyan are mentioned. There are 7 figures, 3 tables, and 14 references: 8 Soviet, 1 British, 1 US, 2 German, and 2 French.

ASSOCIATION: Khimiko-tekhnologicheskiy institut (Institute of Chemistry

and Technology)

SUBMITTED: November 15, 1958

Card 4/4

28023 8/081/61/000/015/025/139 B101/B110

5.1310

AUTHORS: Loshkarev, M. A., Chernobayev, I. P.

TITLE:

A new method of studying the kinetics of electrochemical

processes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1961, 70-71, abstract

15 6 516 (Tr. Dnepropetr. khim.-tekhnol. in-t, no. 12, 1959,

ch. I, 73-90)

TEXT: The authors studied the change in concentration of the reacting substance on the electrode surface during electrolysis. They derived a relation between the current i and the time t in an electrolysis with given potential (corresponding to the limiting current of the electrochemical reaction):  $\ln(i_0/i_t) = mt$ , where  $i_0$  and  $i_t$  is the current at t = 0 and t, respectively, m the proportionality factor dependent on the conditions of mixing, the composition of the solution, etc. The relation found was checked on oxidation reactions of  $\text{Ti}_0^{3+}$ ,  $\text{V}_0^{2+}$ ,  $\text{Cu}_0^{4-}$ ,  $\text{Fe}_0^{2+}$ , and reduction reactions of  $\text{Ti}_0^{2+}$ ,  $\text{Cu}_0^{2+}$ ,  $\text{Fe}_0^{2+}$ ,  $\text{Fe}_0^{2+}$ , and others, on Card 1/2

28023 \$/081/61/000/015/025/139 B101/B110

A new method of studying ...

stationary and rotating disk electrodes, as well as on the electrocrystallization of metals on cathodes of Hg and solid metals. The authors measured the apparent activation energy of several electrodic processes; in the case of Ni electrocrystallization, it is 13.9 kcal/mole.

[Abstracter's note: Complete translation.]

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Card 2/2

28024 s/081/61/000/015/026/139 B101/B110

5.1310

Loshkarev, M. A., Chernobayev, I. P.

AUTHORS: TITLE:

Study of kinetics of electrochemical reactions by means of an

intermediate reagent

Referativnyy zhurnal. Khimiya, no. 15, 1961, 71, abstract 156 517 (Tr. Dnepropetr. khim.-tekhnol. in-t, no. 12, 1959, ch. 1, 91-108) PERIODICAL:

TEXT: In continuation of the previous paper (see abstract 156516), the authors derived equations for the change in concentration C and current with time during electrolysis with given potential in the presence of intermediate reagents as charge carriers:  $C = b - m^t t$ , where t = time, b and m' = constants. The carriers acting as catalysts considerably accelerate the main reaction on the electrode, and permit its quantitative realization. By means of the reduction of  $VO_3$  in the presence of  $\mathrm{Fe}^{3+}$  and the oxidation of  $\mathrm{Ti}^{3+}$  in the presence of  $\mathrm{Fe}^{2+}$ , it is shown that calculation and experiment are in good agreement. Conclusions

Card 1/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

# "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP

CIA-RDP86-00513R000930610009-3

2802l; s/081/61/000/015/026/139 B101/B110

Study of kinetics of electrochemical ...

are drawn as to the dependence of the observed order of the reaction on the process conditions. It is shown that the acceleration of the electrode process under the action of intermediate reagents may be caused by the inhibition or reduction of the inhibition of the discharge of the principal depolarizer. The theories developed are also applicable to the principal depolarizer has the form of a suspension or case where the principal depolarizer has the form of a suspension or emulsion, e.g., in the reduction of Bi<sub>2</sub>O<sub>3</sub> in the presence of TiOSO<sub>4</sub>.

[Abstracter's note: Complete translation.]

K

Card 2/2

LOSHKAREV, M.A.; D'YACHUNKU, T.F.

Effect of additions on the electrodeposition of lead from a pyrophosphate electrolyte. Hudy UNHTY no.16:27-34 62

Obtaining bright cadmium deposits from cyanide baths. Tbid.:35-42

YEFREMOVA, M.G.; JAGHEARDY, E. A.

Tribenzylamine as an inhibitor of the ionimation and Se<sup>2+</sup> discharge on an smalgam electrode. Trudy DEFT no.16:99-112 \*62 (MIRA 17:8)

Inhibition of the anodic ionization of zinc. Trudy Diffi no.16:
77-85 \*62 (MIRA 17:8)

STENDER, V.V., otv. red.; ZOSIMOVICH, D.P., zam. otv. red.;
DELIMARSKIY, Yu.K., red.; LOSHKAREV, M.A., red.; NECHAYEVA,
N.Ye., red.; NIKIFOROV, A.F., red.; BYCHKOVA, R.I., red.

DATA A TANDAR A TANDAR

[Hydroelectrometallurgy of chlorides; reports] Gidroelektrometallurgiia khloridov; doklady. Kiev, Naukova dumka, 1964.
178 p. (MIRA 17:11)

1. Vsesoyuznyy seminar po prikladnov elektrokhimii. 5th, Dnepropetrovsk, 1962. 2. Dnepropetrovskiy khimikotekhnologicheskiy institut (for Stender).

LOSHKAREV, M.A.; LEVITIN, Zh.H.; CHERRIENKO, V.I.

Experimental check of the graphic method for calculating polarization when superimposing the direct and alternating currents.

Trudy DKHTI no.16:87-98 \*62 (MJRA 17:8)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

IOSHKAREV, M.A. (Dnepropetrovsk); TOMILOV, B.I. (Dnepropetrovsk)

Kinetics of electrochemical redox reactions. Part 2. Zhur.

Kinetics of electrochemical redox reactions. Part 2. (MIRA 16:8)

fiz. khim. 36 no.1:132-142 Ja '62.

(Quinones) (Hydroquinone)

(Oxidation-reduction reaction)

# TOMILOV, B.I.; LOSHKAREV, M.A.

Two setups for studying the kinetics of electrode processes on the basis of the ENO-1 electronic low-frequency oscillograph.

Zhur. fiz. khim. 36 no.4:900-906 Ap '62. (MIRA 15:6)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Oscillography) (Electrochemistry)

TOMILOV, B.I.; LOSHKAREV, M.A.

Kinetics of electrochemical oxido-reduction reactions. Part 3.
Zhur. fiz. khim. 36 no.9:1902-1908 S \*62. (MIRA 17:6)

1. Khimiko-tekhnologicheskiy institut, Dnepropetrovsk.

LOSHKAREV, M.A.; YASYUNAS, R.M.

Kinetics of nitrosation of secondary aromatic amines. Part 2: Catalytic action of halide ions. Izv.vys.ucheb.zav.;khim. i khim.tekh. 6 no.2:236-242 '63. (MIRA 16:9)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni F.E.Dzerzhinskogo, kafedra fizicheskoy khimii. (Amines) (Nitrosation) (Halides)

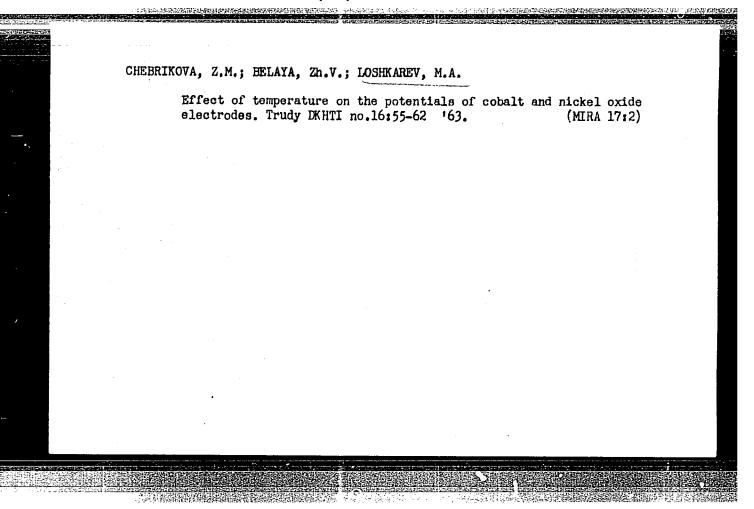
BOGORAD, M.L.; LOSHKAREV, M.A.; LIPOV, I.G.

Apparatus for pulsed high-temperature unilateral heating of samples. Plast. massy no.8:58-59 '63. (MIRA 16:8)

(Testing machines)

LOSHKAREV, M.A.; KOSTENKO, B.N.; CHERNENKO, V.I.; SEVRYUGINA, M.P.

Selecting optimal conditions for copper electrocrystallization.
Trudy DKHTI no.16:43-54 '63. (MIRA 17:2)



# KRYUKOVA, A.A.; LOSHKAREV, M.A.

Effect of films of sparingly soluble inorganic compounds on the rate of electrode processes. Trudy DKHTI no.16:63-73 '63. (MIRA 17:2)

LEVITIN, Zh.N.; CHERNENKO, V.I.; LOSHKAREV, M.A.

Calculation of polarization when superposing direct and alternating currents. Trudy DKHTI no.16:115-120 '63. (MIRA 17:2)

DUBYAGO, Ye.I.; LOSHKAREV, M.A.

Khimila i khimicheskela tekhnologila, pt.2. Effect of Cl and NO 3 on the structure of bismuth cathode deposits. Trudy DKHTI no.16: 101-113 '63. (MIRA 17:2)

8/073/63/029/003/003/009 A057/A126

AUTHORS:

Loshkarev, M. A., Chernobayev, I. B.

TITLE:

The electrochemical oxydation and reduction of suspensions of

difficultly soluble compounds

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, v. 29, no. 3, 1963, 287 - 292

TITLE: In the Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Dnepropetrovsk Institute of Chemical Technology) a method was developed for the preparation of highly dispersed metallic powders and active oxidizers by using an intermediate reagent in the electrochemical method. This reagent, which has to oxidize or to reduce easily on the electrode, changes the electrochemical process from a surface process to a process occurring in the mass of the electrolyte. Thus, acceleration is effected, and in systems where the compound is dissolved the intermediate reagent can be considered as a catalyst. As intermediate reagents may be used ions of metals with variable valency  $(Ti^{4+}/Ti3^{+}, V^{5+}/V^{0+}, Cr^{3+}/Cr^{2+})$ , and oxidizing or reducing agents which generate during the electrolysis (among these organic compounds). In the present experiments the

Card 1/3

The electrochemical oxydation and...

Card 2/3

8/073/63/029/003/003/009 A057/A126

electrochemical oxidation of a suspension of difficultly soluble Ni (OH)2, Co(OH)2, and PbO was studied with and without NaCl as intermediate reagent, and the reduction of a suspension of Bi203 or CuCl with Ti4+/Ti3+ (Ti0SO4) as intermediate reagent. The results of experiments carried out in the system C (graphite)/Ni(OH)2 (solid), NaCl, H2O/Ni demonstrated that electrochemical oxidation of Ni (OH)2 suspensions does not occur in the absence of NaCl. In the presence of the latter the oxidation occurs fast almost to 100%, if the outlet of chlorine is prevented and conditions are favorably secured for ClO formation. The current yield is affected considerably by the pH of the electrolyte, showing a maximum in neutral solutions. Analogous results were obtained in electrochemical oxidation of a Co(OH)2 suspension. The electrochemical reduction of a Bi203 (CuCl respectively) suspension in presence and absence of TiOSO4 was carried out in order to prepare finely dispersed metallic powders in the system Pb /Bi203 (s) (resp. CuCl(s)), H2SO4, TiOSO4, H2O/Pt+. No reduction could be observed in the absence of TiOSO4, while considerable formation of finely dispersed metals (Bi or Cu respectively) occurs in the presence of the intermediate reagent. Thus, 95.28% of Bi was reduced in an electrolyte containing 0.1 mole/1

The electrochemical oxydation and ...

S/073/63/029/003/003/009 A057/A126

Bi<sub>2</sub>O<sub>3</sub>, 0.2 mole/1 TiOSO<sub>4</sub>, and 1 N H<sub>2</sub>SO<sub>4</sub> with a 0.5 a current at 25°C during 2 hrs, respectively 92.0% of Cu from 0.25 mole/1 CuCl, 0.2 mole/1 TiOSO<sub>4</sub> in 1 N H<sub>2</sub>SO<sub>4</sub>, 0.5 a, 25°C during 2 hrs. Since the amount of reduced metallic powder is proportional to the time of electrolysis the equation  $c = b - [(S \cdot D_V)/VnF] \cdot t$  deduced from kinetic equations is valid (c and b = concentrations of solid suspensions in the bulk at the beginning, respectively the time t of electrolysis,  $D_V = current$  density necessary through the intermediate reagent, S = surface of the electrode, V = volume of the electrolyte, n = number of electrons). Crystallographic analyses of the prepared metallic powders showed dendrid structure (Bi 10 - 25 m $\mu$ , Cu 60 - 255 m $\mu$ ). Hence, the present method can be employed in powder metallurgy. There are 2 figures and 1 table.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Dnepropetrovsk

Institute of Chemical Technology)

SUBMITTED: December 13, 1961

Card 3/3

# CHERNOBAYEV, I.P.; LOSHKAREV, M.A.

Electrolytic oxidation and reduction of organic compounds with an intermediate reagent. Ukr. khim. zhur. 29 no.41 423-432 163. (MIRA 16:6)

l. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Chemistry, Organic-Synthesis)
(Electrochemistry)

LOSHKAREV, M. A.; LOSHKAREV, Yu.M.; D'YACHENKO, T.F.

Effect of chlorine ions on the cathodic deposition of metals. Soob. AN Gruz. SSR 32 no.2:359-365 \*63. (MIRA 18:1)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni F.E. Dzerzhinskogo. Submitted March 28, 1963.

LOSHKAREV, M.A.; YEFREMOVA, M.G.

Inhibition of the anodic ionization of zinc. Zhur. fiz. khim. 37 no.6:1281-1287 Je \*63. (MIRA 16:7)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut. (Zinc electrodes) (Enhibition (Chemistry))

LOSHKAREV, M.A. [Loshkar'ov, M.O.]; YEFREMOVA, M.G. [IEfremova, M.H.]

Slowing-down of the anodic ionization of metals under the effect of the adsorption of addition agents on electrodes. Dop. AN URSR no.1: 84-88 '64. (MIRA 17:4)

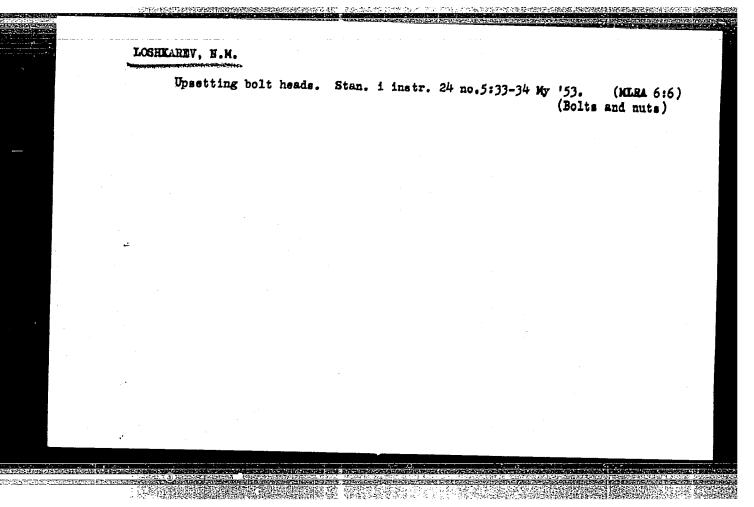
1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut. Predstavleno akademikom AN UkrSSR A.I.Brodskim [Brods'kyi, O.I.].

MORDOVCHENKO, I.P.; LOSHKAREV, M.A.

Dependence of the inhibition effect of the electrode process on the surface concentration of the inhibitor on the electrode. Elektro-khimiia 1 no.1:94-100 Ja 165. (MIRA 18:5)

1. Drepropetrovskiy khimiko-tekhnologicheskiy institut 1m. F.E. Dzerzhinskego.

L 21145-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/JW/JWD/WE/RM ACC NR: AP6008409 SOURCE CODE: UR/0374/66/000/001/0139/0142 AUTHOR: Bogorad, M. L.; Loshkarev, M. A. ORG: Military Artillery Academy, Leningrad (Voyennaya artilleriyskaya akademiya) TITLE: New method of creating pulse loads for investigating the dynamic stability of polymer materials) SOURCE: Mekhanika polimerov, no. 1, 1966, 139-142 TOPIC TAGS: polymer, polymer structure, specific impulse, electromotive force, magnetic field, pulse duration modulation, test model ABSTRACT: A new method for production of pulse loads by electrodynamic forces which affect a specimen placed in a strong pulse magnetic field is suggested. The testing set, developed on the basis of the principle indicated, makes it possible to obtain pressure pulses of several hundredths of an atmosphere with pulse duration from tenths of microseconds to milliseconds. Orig. art. has: 3 figures and 5 formulas. [Based on authors' abstract.] SUB CODE: 11, 20/ SUBM DATE: 30Aug65/ ORIG REF: 001/ OTH REF: 001/ 678:530.4.019.1



POGUDINA, D.G.; LOSHKAREV, P.M.; RAN'KOVSKIY, A.I.

Glycosides content in Erysimum canescens during vegetation. Aptech. delo, Moskva 2 no. 1:26-30 Jan-Feb 1953. (CIML 24:1)

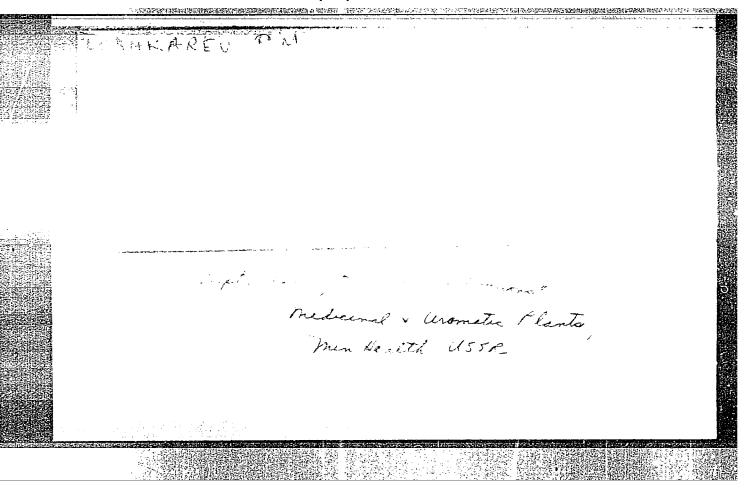
1. Of the Department of Chemistry of the All-Union Scientific-Research Institute of Medicinal and Aromatic Plants (Director -- N. Ya. Itskov) of the Ministry of Public Health USSR.

LOSHKAREV, PM.

FEOFILAKTOV, V.V.; LOSHKAREV, P.M.

Erysimin, the cardiac glucoside obtained from Erysimum canescens Roth. Dokl. AN SSSR 94 no. 4:709-712 F '54. (MLRA 7:2)

1. Vsesoyuznyi nauchno-issledovatel'skiy institut lekaratvennykh i aromaticheskikh rasteniy. (Erysimin)



USSR/Pharmacology. Toxicology. Cardiovascular Drugs

V

Abs Jour: Ref Zhur - Biol., No II, 1958, No 51994

: Berezhinskaya, V.V., Loshkarev P.M., Turova Λ.D. Author

: Medical Industry of USSR Inst

Title : The Cardiac Drug Erysimine

Orig Pub: Med. prom-st SSSR, 1957, No 9, 32-36

Abstract : Erysimine is close to strophantine by its general mode of

action upon the heart, by its speed of action, the absence of cumulative effects and electrocardiographic changes, but its action is milder, and of less intensity. The dose is established individually, taking into consideration the general condition of the patient and his car-

diac status.

: 1/1 Card

23

LOSHKAKET, BM.

BEREZHINSKAYA, V.V.; JOSHKAREV, P.M.; TUROVA, A.D.

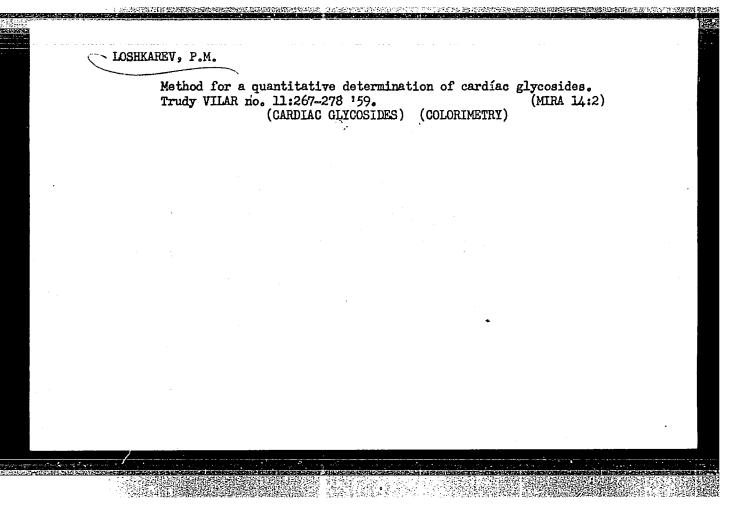
Erysimine, a cardiac. Med.prom. 11 no.6:32-36 Je '57. (MLRA 10:8)

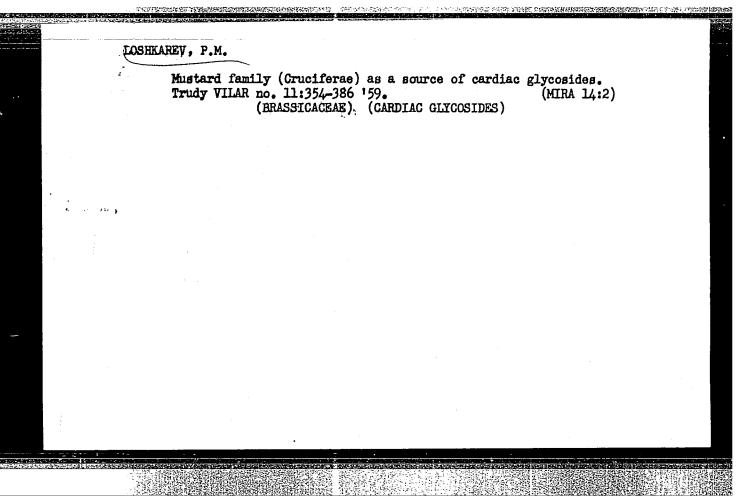
l. Vsesoyuznyy nauchno-issledovatel skiy institut lekarstvennykh i aromaticheskikh rasteniy
(ERYSIMUM) (CARDIAC GLYCOSIDES)

LOSHKAREV, P.M.; FEOFILAKTOV, V.V. [deceased]

Erysimin, a glycoside acting on the heart extracted from Erysimum canescens Roth. Trudy VILAR no. 11:157-168 '59. (MIRA 14:2)

(ERYSIMIN) (CARDIAC GLYCOSIDES)





GULYY, Ye.A.; LOSHKAREV, P.M.

Quantitative determination of lanatosides A, B, C, and D in Digitalis lanata. Med. prom. 16 no.1:41-45 Ja '62. (MIRA 15:3)

1. Vsesoyuznyy institut lekarstvennykh i aromaticheskikh rasteniy.

(LANATOSIDES) (DIGITALIS)

LYU YUN-LUN [Liu Yung-lung]; LOSHKAREV, P.M.

Glycosides from seeds of the grey wallflower, Erysimum canescens Roth. (the Minsk form); report No. 1. Med.prom. 16 no.4:11-14 Ap '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy.
(CARDIAC GLYCOSIDES) (ERYSIMUM)

PANINA, V.V.; LOSHKAREV, P.M.

Colorimetric method of determining diosgenin in dioscorea.

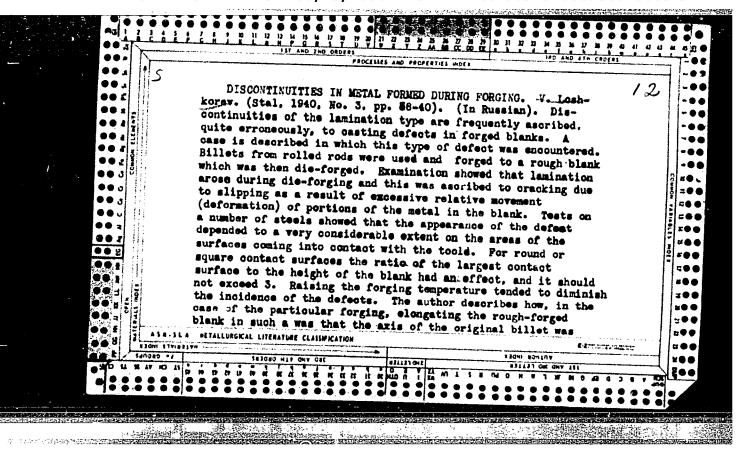
Med. prom. 17 no.6:45-48 Je'63 (MIRA 17:4)

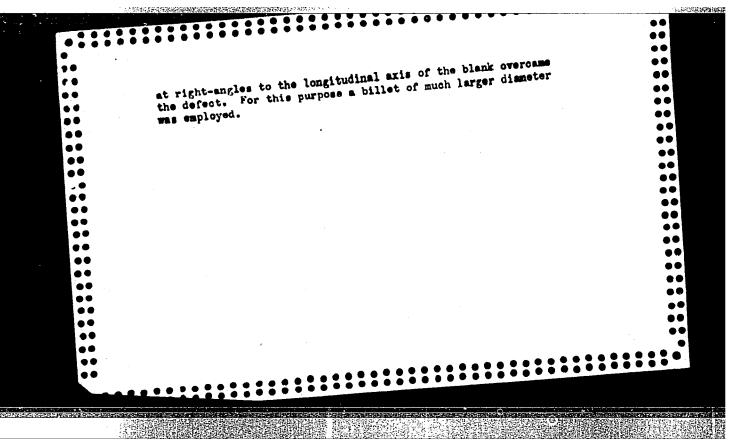
1. Vsesoyuznyy nauchmo-issledovatel'skiy institut lekarstven-nykh i aromaticheskikh rasteniy.

ANANICHEV, A.V.; LOSHKAREV, P.M.

Quantitative determination of active substances in the seeds of Ammi majus L. Med. prom. 17 no.9:36-38 S'63. (MIRA 17:5)

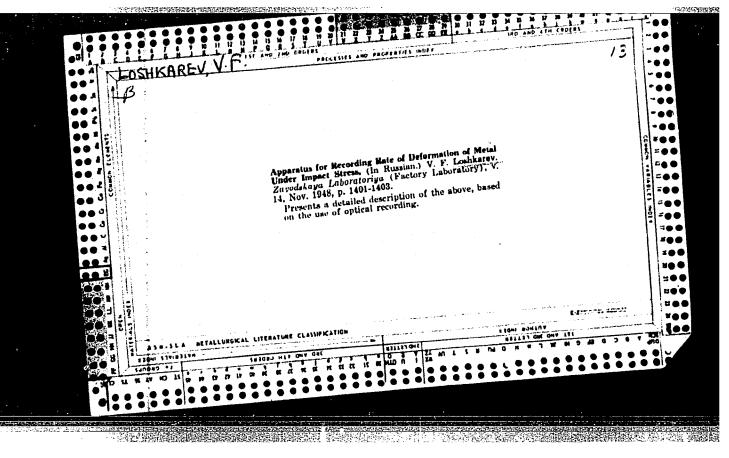
1. Vsescyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy.

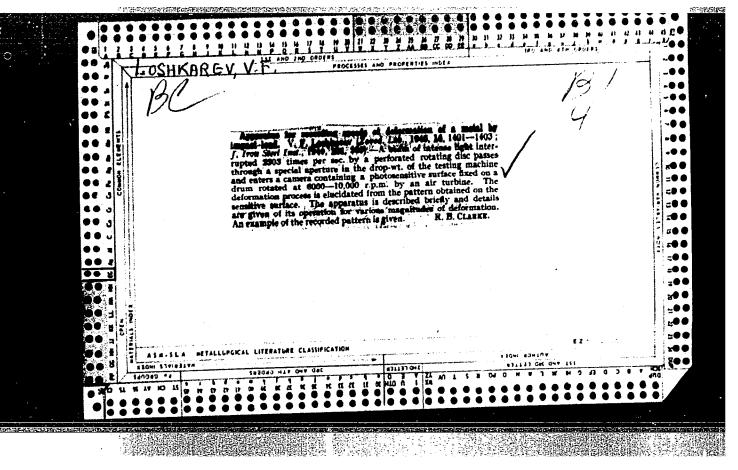




Pseudo porosity of steel. Stal' 7 no.3:249-252 '47. (NIRA 9:1)

1.Chebarkul'skiy ssvod.
(Steel-Testing)





LOSHKAREV, V

Proizvodstvo Stal'nykh Nokovok (Production of Steel Forgings) Moskva,
Metallurgizdat, 1953.
v. (V.-P.) Illus., Diagrs., 'ables.
"Literatura": p. (299)-v.I
Lib. Has: v. I

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733.98
.18



KOZHEVNIKOV, S.N.; PRAZDNIKOV, A.V., kand.tekhn.nauk; LOSHKAREV, V.I., inzh.

Automatic indicator of plunger position on a Pilgrim mill feed mechanism. Trudy Inst.chern.met.AN URSR 16:105-111 '62.

(MIRA 15:12)

1. Chlen-korrespondent AN UkrSSR (for Kozhevnikov).
(Rolling mills) (Feed mechanisms)

LOSHKAREY V. YE.

"Effect of External Potential and Other Factors on Capacitive Photoresponse in Semiconductors," by V. Ye. Kozhevin and V. Ye. Loshkarev, Kiev State University imeni T. G. Shevchenko, Radiotekhnika i Elektronika, No 3, Mar 57, pp 260-268

Investigation was carried out to study the capacitive photoresponse of various powdered semiconductors separated by insulating strips, and the effect of an extraneous potential field. The capacitance method of investigating the photoresistance of semiconductors came into widespread use in recent years as a consequence of extensive work performed by Ye. K. Putseyko. The following semiconductors were investigated: mercury iodide, lead iodide, cadmium sulfide, cadmium selenide, cadmium telluride, selemium, cuprous oxide, and germanium.

The semiconductors were tested either in powdered form (grain size about 0.01 mm) or as thin plates about 0.3mm thick. The tested semiconductors were illuminated by rectangular pulses of white or monochromatic light. The duration of light pulses varied from 10-2 to 10-3 sec. The pulse magnitude was read from a specially calibrated scale on an oscillograph with an accuracy of about 5%.

The results of investigation of the effect of extraneous potential and steady bias lighting upon the capacitive photoresponse are presented.

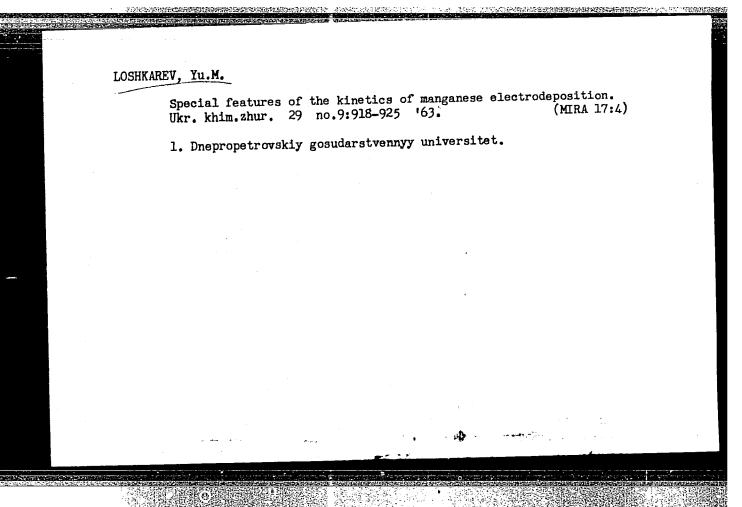
5uM.1374

AFFTC/ASD BDS/EWP(q)/ENT(m) L 12649-63 8/0080/63/056/005/1033/1040 ACCESSION NR: AP3002698 AUTHOR: Stender, V. V. and Loshkarev, Ye. H. TITIE: Experiments involving electrodeposition of manganese from chloride solutions SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 5, 1985, 1033-1040 TOPIC TAGS: electrodeposition, manganese, current density, electrolysis ABSTRACT: Electrolysis of manganese chloride solutions is of practical interest for processing mangamese ore and waste with the aid of hydrochloric acid. In studying the influence of current density, temperature, pH and concentration of mangamese in electrolyte on electrodeposition of mangamese from chloride solutions the possibility was shown of conducting short-term electrolysis with high current densities (3000-4000 cmp/m2) with high current yields. Use of fresh manganese sulfide deposits permits a degree of use of current of 80-85% during high current densities and with temperatures 25-50C. Supplementary electrolytic purification increases current yields 5-7%. Coarsely crystalline manganese residue was obtained from solutions subjected to additional electrolytic purification. "The authors thank I. V. Gamali for his help in the work." Orig. art. has: 5 figures and 2

USATENKO, Yualo; KLIMKOVICH, Ye.&.; IOSHKAREV, Yu.M.

Amperometric titration of mercury with unithiol solution.
Ukr.khim.zhur. 27 no.6:823-827 '61. (MIRA 14:11)

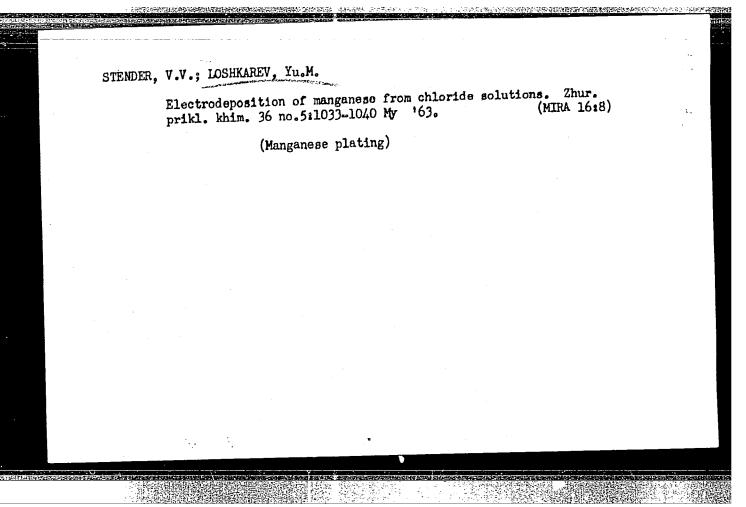
1. Dnepropetrovskiy khimiko-(ekhnologicheskiy institut.
(Mercury-Analysis)

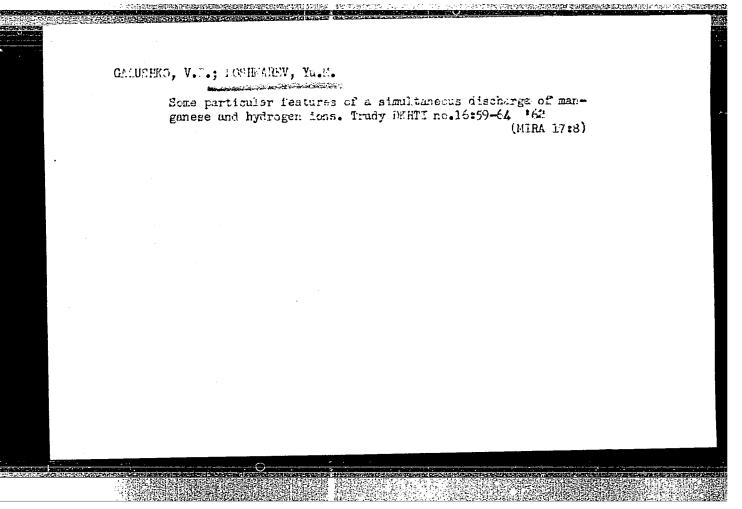


LOSHKAREV, M.A.; LOSHKAREV, Yu.M.; D'YACHENKO, T.F.

Effect of chlorine ions on the cathodic deposition of metals. Soob.
AN Gruz. SSR 32 no.2:359-365 63. (MIRA 18:1)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni F.E. Dzerzhinskogo. Submitted March 28, 1963.





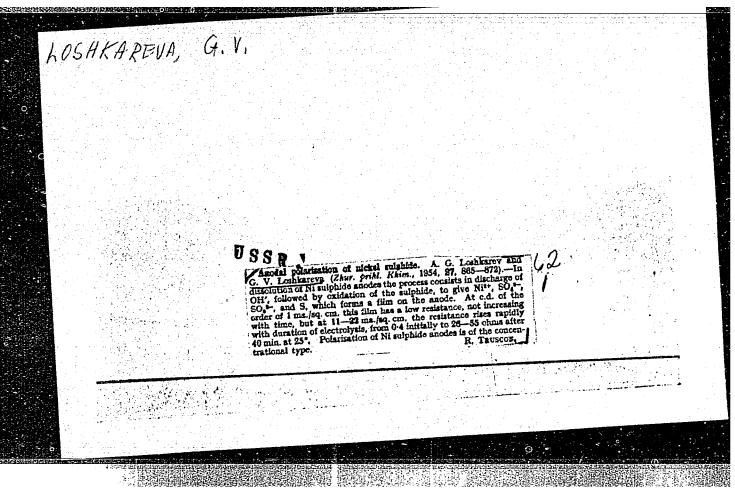
GALUSHKO, V.P.; LOSHKAREV, Yu.M.

Effect of a simultaneous adsorption of organic additions and anions on electroreduction of metals. Zhur. fiz. khim. 39 no.5:1185-1189 My '65. (MTRA 18:8)

1. Dnepropetrovskiy gosudarstvennyy universitet.

"A Method for Detecting and Determining Admixtures in Mickel Without Taking Shavings." Cand Chem Sci, Ural Polytechnic Inst, Sverdlovsk, 1954. (NZhKhim, No 6, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USER Higher Educational Institutions (15)



### CIA-RDP86-00513R000930610009-3 "APPROVED FOR RELEASE: 08/23/2000

LOSHKAREVA

USSR/Analytical Chemistry. General Topics.

G-1

Abs Jour

: Referat. Zhurnal Khimiya, No 6, 1957; 19477.

Author

: G.V. Loshkareva.

Inst

: Ural Polytechnical Institute.

Title

: New Reactions for Discovering of Copper, Cobalt and

Nitrate by Means of Gusiacol.

Orig Pub

: Tr. Ural'skogo Politekhn. In-ta, 1956, No 57, 61-65.

Abstract

: NH3 is oxidized to NO2, when concentrated NH1,OH and  $H_2 \tilde{O}_2$  are added in excess to a solution of  $Cu^{2+}$  and all is heated; NO2 with guniacol in an acid medium produces 2-methoxy-n-quinoxin of red color. The sen-sitivity of the reaction is 10-9 g/ml of Cu. Co2+ behaves in an analogous manner; the sensitivity of the reaction is  $2 \times 10^{-6}$ .g/ml of Co. 1 - 1.5 ml of concentrated NH40H and 6 drops of 3% H202 are added to 1 - 2 ml of the tested solution for detecting of Cu or Co. It is boiled to remove gas bubbles, cooled, 5 - 7 drops of a 1% solution of guniacol and, drop by drop,

Card 1/2

-10-

USSR/Analytical Chemistry. General Topics

3-1

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 19477.

diluted  $\rm H_2SO_4$  (1:20) are added until colorationation appears. The duration of the coloration development is 1 - 10 minutes. If both Cu and Co were present, they are first separated. At the relation Cu:  $\rm Co \geqslant 1:1000$ , Cu is found without separating Co. For detecting NO<sub>2</sub>, a few drops of 1% guaiacol solution and a diluted mineral acid are added to the tested solution. The sensitivity of the reaction is  $\rm 2 \times 10^{-6}$  g/ml of NO<sub>2</sub>. At 5 x  $\rm 10^{-4}$  -  $\rm 10^{-4}$  g of NO<sub>2</sub>, Beer's law is satisfied. Excess over  $\rm 10^{-4}$  g/ml of FeCl<sub>3</sub>, as well as colored icas of metals interfere with test for NO<sub>2</sub>.

Card 2/2

-11-

SOV/32-24-7-11/65

AUTHOR:

Loshkareva, G. V.

TITLE:

The Non-Cutting Determination of Iron, Cobalt and Copper in Nickel (Besstružhkovoye opredeleniye zheleza, kobal'ta i medi

v nikele)

PERIODICAL:

Zavodskaya Laboratoriya, Vol. 24, Nr 7,

pp. 813 - 814 (USSR) 1928

ABSTRACT:

In this method aqua regia is used as a solvent. Iron was determined with the thiocyanate method, copper by the reaction with guaiacol and nickel with nitroso R-salt. Three drops of each solvent (0,1 ml) were given into cavities in the standard and the test samples. They were kept there for a period of from 24 to 48 hours. They were washed out quantitatively, boiled in order to remove the chlorine and the nitrogen oxides, and then copper and iron were determined. The iron was determined colorimetrically according to the aforementioned method, and the iron content was computed according to a equation given. Copper was determined according to a comparative colorimetric method, which is based upon the reaction of guaiacol with ammonium nitrite in an acid medium. A red compound is produced, the color-intensity of which depends on its copper content. The time necessary for

Card 1/2

The Non-Cutting Determination of Iron, Cobalt and Copper SOV/32-24-7-11/65 in Nickel

the two determinations is said to be 35 minutes. For the determination of cobalt the solution sample was combined with an aqueous nitroso R-solution, and a 40% sodium acetate solution, after it had been boiled in order to remove the chlorine and nitrogen oxides. Then it was boiled with nitric acid and subjected to the colorimetric determination. Exact prescriptions for the analysis, and a table of the results are given. There are which are Soviet. 1 table and 3 references,

ASSOCIATION: Ural'skiy politekhnicheskiy institut im.S.M.Kirova (Ural Polytechnical Institute imeni S.M.Kirov)

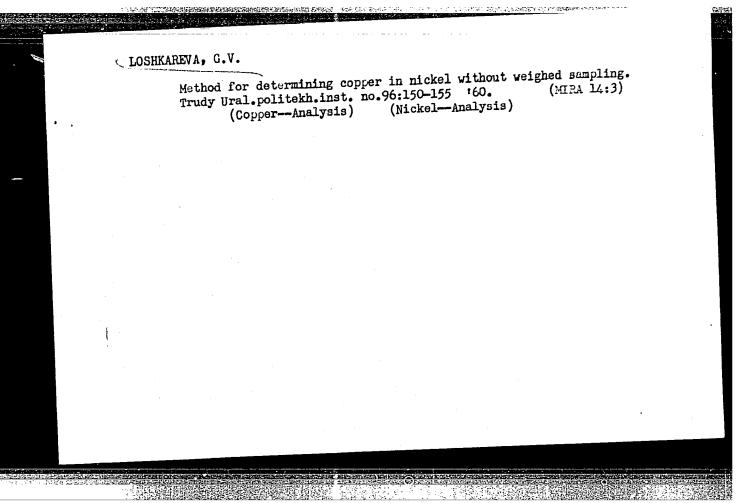
Card 2/2

LOSHKAREVA, G.V.; NIKITINA, B.N.; LOSHKAREVA, T.A.

Fractional detection of cobalt. Izv. vys. ucheb. zav; khim. i khim. tekh. 3 no. 5:960-962 '60. (MIRA 13:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova. Kafedra analiticheskoy khimii. (Cobalt---Analysis)

	Method for determining cobalt in ni Trudy Ural.politekh.inst. no.96:146 (Cobalt—Analysis) (Nick	ckel without weighed sampling149 '60. (MIRA 14:3) relAnalysis)
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	and the second s	



 LOSHKAREVA, G.V.	
Fractional detection of nitrite- and nitrate ions; nitrite ion.  Fractional detection of nitrite- and nitrate ions; nitrite ion.  (MIRA 15:6)  Trudy Ural. politekh. inst. no.94:149-154 '60. (MIRA 15:6)  (Nitrites) (Ions)	

LOSHKAREVA, G.V.; PLATONOV, V.Ye.; ROZIN, Yu.A.

Fractional detection of carbonate ion. Trudy Ural. politekh.

(MIRA 15:6)
inst. no.94:155-157 '60.

(Carbonates) (Ions)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

IOSHKAREVA, K.A., uchitel'nitsa

Young helminthologists. Biol. v shkole no.1:75-76 Ja-F '59.

(MIRA 12:2)

1. Shkola No.9, g. Kalinin.
(Helminthology-Study and teaching)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

GAUZE, G.G.; LOSHKAREVA, N.P.; ZBARSKIY, I.B.; GAUZE, G.F.

Composition of DNA in some barteria and their mutants carrying oxidation deficiency. Dokl. AN SSSR 157 no. 2:457-459 J1 '64. (MIRA 17:7)

1. Institut morfologii zhivotnykh imeni A.N.Severtsova AN SSSR i Institut po izyskaniyu novykh antibiotikov AMN SSSR. Predstavleno akademikom A.A.Imshenetskim.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000930610009-3"

GAUZE, G.G.; LOSHKAREVA, N.P.

Effect of olivomycin on the cells of Ehrlich's ascites carcinoma. Vop. med. khim. 11 no.4:64-66 J1-Ag '65. (MIRA 18:8)

l. Laboratoriya biokhimii kletochnykh struktur Instituta morfologii zhivotnykh AN SSSR, Moskva.

LOSHKAREVA, G.V.; NIKITINA, B.N.; LOSHKAREVA, T.A.

Fractional detection of cobalt. Izv. vys. ucheb. zav; khim.
i khim. tekh. 3 nc. 5:960-962 '60. (MIRA 13:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.

Kafedra analiticheskoy khimii.

(Cobalt--Analysis)

KRUSSER, O.V.; YAKIMOV, P.A.; NESHATAYEVA, Ye.V.; KHAO-SHI-DZEN';
LOSHKAREVA, Ye.A.

Vegetative reproduction of the mycelium of Actinomyces aureofaciens.
Trudy Len.khim.-farm.inst. no.15:177-184 '62. (MIRA 15:11)

(ANTINOMYCE)